

**Amendment to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (Cancelled).
2. (Cancelled).
- 3-4. (Cancelled).
5. (Cancelled).
6. (Cancelled).
7. (Cancelled).
8. (Cancelled).
9. (Currently Amended) ~~The image sensing apparatus according to claim 8;~~

An image sensing apparatus having an image sensor, which has a first area for sensing an image of an object and a second area which is shielded from light, for sensing an image of an object, comprising:

an analog-digital converter that operates at a predetermined frequency and converts an analog signal read from the image sensor to a digital signal; and

a controller that controls a relationship between a phase of a timing signal for reading out the analog signal from the image sensor and a phase of a timing signal for operating said analog-digital converter on the basis of signals obtained from the second area by relatively shifting the phase of the timing signal for reading out the analog signal and the phase of the timing signal for operating said analog-digital converter, and converting the analog signal by said analog-digital converter for each shifted phase;

wherein the image sensor has a first area for sensing an image of an object and a second area which is shielded from light, and said controller determines the relationship between the phase of the timing signal for reading out the analog signal from the image sensor and the phase of the timing signal for operating said analog-digital converter based on the comparison between the signals from the second area obtained with the shifted phases.

10. **(Currently Amended)** The image sensing apparatus according to claim 9 ~~claim 8~~ further comprising:

a plurality of output units that read signals from the image sensor; and

a multiplexer that multiplexes the signals from said plurality of output units to a time sequential signal and outputs the time sequential signal,

wherein the time sequential signal from said multiplexer is outputted to said analog-digital converter.

11. **(Currently Amended)** The image sensing apparatus according to claim 9 ~~claim 8~~, wherein said controller adjusts the relationship between the phase of the timing signal for reading out the analog signal from the image sensor and the phase of the timing signal for operating said analog-digital converter so that a digital signal obtained by converting the signal read from the image sensor by said analog-digital converter becomes maximum.

12. **(Previously Presented)** The image sensing apparatus according to claim 10, wherein said controller adjusts the relationship between the phase of the timing signal for reading out the analog signal from the image sensor and the phase of the timing signal for operating said analog-digital converter so that a difference between the signals from said plurality of output units becomes minimum.

13. **(Cancelled).**

14. **(Currently Amended)** A control method of an image sensing apparatus having an image sensor, which has a first area for sensing an image of an object and a second area which is shielded from light, for sensing an image of an object, and an analog-digital converter which operates at a predetermined frequency and converts an analog signal read from the image sensor to a digital signal, comprising:

determining a relationship between a phase of a timing signal for reading out the analog signal from the image sensor and a phase of a timing signal for operating said analog-digital converter on the basis of signals obtained from the second area by relatively shifting the phase of the timing signal for reading out the analog signal and the phase of the timing signal for operating said analog-digital converter, and converting the analog signal by said analog-digital converter for each shifted phase

A control method of an image sensing apparatus having an image sensor for sensing an image of an object and an analog-digital converter which operates at a predetermined frequency and converts an analog signal read from the image sensor to a digital signal, comprising:

relatively shifting in time sequence a phase of a timing signal for reading out the analog signal from the image sensor and a phase of a timing signal for operating the analog-digital converter; and

determining a relationship between the phase of the timing signal for reading out the analog signal from the image sensor and the phase of the timing signal for operating said analog-digital converter on the basis of a comparison between signals obtained by converting the analog signal by the analog-digital converter for each shifted phase.